

ABSTRACT OF THE DISCLOSURE

A turf care system and method uses simultaneously fired pulses of high-pressure liquid jets of the mixture shot toward the ground. The liquid is mixed with dry grass seed shortly before being delivered to a high-pressure liquid/seed pumping system, which uses an accumulator and sequencing valve to produce at regular repetitive intervals pulses of the liquid/seed mixture under high pressure. The pulses are delivered to an elongated hydraulic manifold having multiple nozzles pointed downwardly, which are spaced from one another and the ground by predetermined distances. The momentum of the high-pressure jet of liquid/seed mixture issuing from each nozzle cuts through overlying vegetation to deposit the seeds into the crown of the soil at predetermined desired depth. Spray patterns are determined by nozzle orifice shape, and are preferably selected to provide a shallow knife slit-like opening or trench in the crown of the turf.